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INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/016104

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. Claims 1	search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Nos.: they relate to subject matter not required to be searched by this Authority, namely:
	Nos.: they relate to parts of the international application that do not comply with the prescribed requirements to such an nat no meaningful international search can be carried out, specifically:
3. Claims N	Nos.: they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
The inverse relating Rhodococc Biotechno in a micro have been as set for feature. among the technical 1. X As all recolaims. 2. As all sea any additional As only sea.	Searching Authority found multiple inventions in this international application, as follows: entions as set forth in claims 1 to 38 are common to each other in to a plasmid originating in a microorganism belonging to the genus sus and its partial fragment. As reported in Appl. Microbiol. 1., 2003, July, Vol.62, pp.61-68, however, a plasmid originating organism belonging to the genus Rhodococcus and its partial fragment publicly known already. Thus, the matter common to the inventions rth in claims 1 to 38 cannot be considered as a special technical Accordingly, it appears that there is no technical relationship inventions as set forth in claims 1 to 38 involving any special feature and these groups of inventions (continued to extra sheet) quired additional search fees were timely paid by the applicant, this international search report covers all searchable archable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of cional fee. Some of the required additional search fees were timely paid by the applicant, this international search report covers see claims for which fees were paid, specifically claims Nos.:
	ared additional search fees were timely paid by the applicant. Consequently, this international search report is to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Prote	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

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Continuation of Box No.III of continuation of first sheet(2)

cannot be considered as being so linked as to form a single general inventive concept. Such being the case, the inventions claimed in the present case have three groups of inventions, i.e., (1) the inventions relating to a plasmid pRET1100 and its fragment as set forth in claims 1 to 11 and the parts relating to the fragment of the plasmid pRET1100 in claims 17, 24 and 27 to 38; (2) the inventions relating to a plasmid pRET1000 and its fragment as set forth in claims 12 to 16 and 18 to 23 and the parts relating to the fragment of the plasmid pRET1000 in claims 17, 24 and 27 to 38; and (3) the inventions relating to a DNA fragment represented by SEQ ID NO:77 as set forth in claims 25 to 26 and the part relating to claims 25 to 26 in claims 27 to 38.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016104

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A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ C12N15/09, C12N15/31, C12N15/63, C12P7/02, C12N13/00					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEA	ARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ Cl2N15/09, Cl2N15/31, Cl2N15/63, Cl2P7/02, Cl2N13/00					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) BIOSIS/WPI (DIALOG), MEDLINE (STN), JSTPlus/JST7580 (JOIS), SwissProt/PIR/GeneSeq, GenBank/EMBL/DDBJ/GeneSeq					
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app		Relevant to claim No.		
A	De Mot R. et al., Structural 6 kb cryptic plasmid pFAJ2600	1-38			
	erythropolis NI86/21 and cons Escherichia coli-Rhodococcus Microbiology, 1997, Vol.143, 3147	shuttle vectors,			
A	Kostichka K. et al., A small from Rhodococcus erythropolis and utility for gene expressi Biotechnol., 2003 July, Vol.6 to 68	: characterization on, Appl.Microbiol.	1-38		
× Further documents are listed in the continuation of Box C. See patent family annex.					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the int date and not in conflict with the applic the principle or theory underlying the i	ation but cited to understand nvention		
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is		"X" document of particular relevance; the considered novel or cannot be consistep when the document is taken along	dered to involve an inventive		
cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such	step when the document is documents, such combination		
"P" document published prior to the international filing date but later than the priority date claimed		being obvious to a person skilled in th "&" document member of the same patent			
Date of the actual completion of the international search 15 December, 2004 (15.12.04)		Date of mailing of the international sea 28 December, 2004	rch report (28.12.04)		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016104

C (Continuation). DOCUMENTS CONSIDERED TO BE RELIEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
A .	WO 2002/70714 A1 (DAIICHI FINE CHEMICAL CO., LTD.), 12 September, 2002 (12.09.02), & EP 1371731 A1 & KR 2003096268 A & CZ 200302343 A3 & AU 2002234942 A1 & JP 2002-570739 X	1-38			
		·			
	O (continuation of second sheet) (Innuary 2004)				